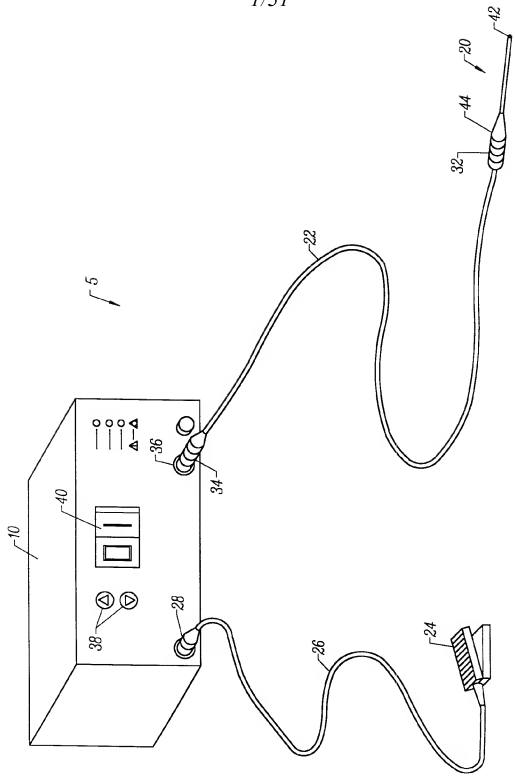


FIG. 1

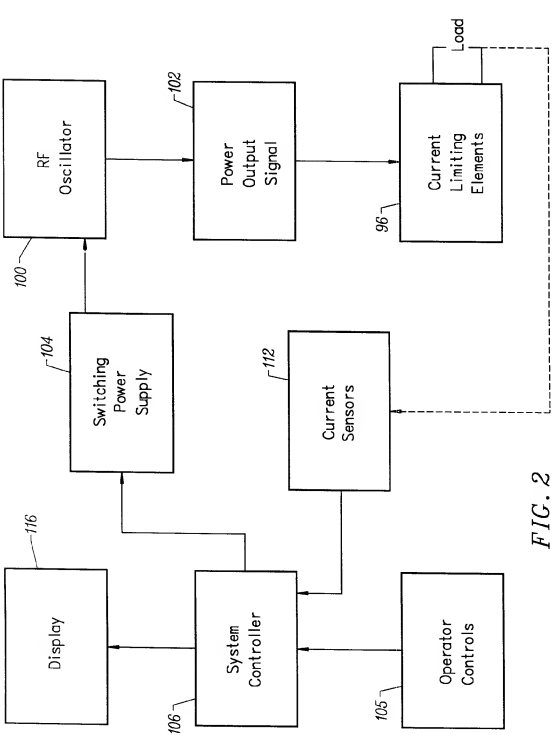
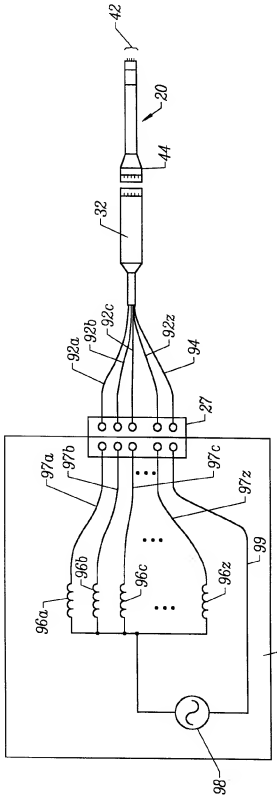

RF Oscillator
100
Power Output Signal
102
Current Limiting Elements
96
Load
Switching Power Supply
104
Current Sensors
112
Display
116
System Controller
106
Operator Controls
105

FIG. 2


42
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92b
92c
92z
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97c
97z
99
96a
96b
96c
96z
28
98

FIG. 3

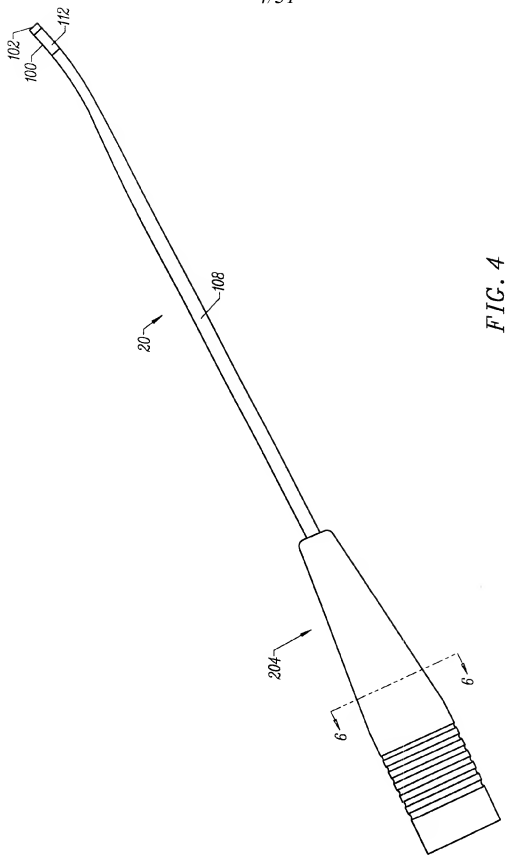

FIG. 4

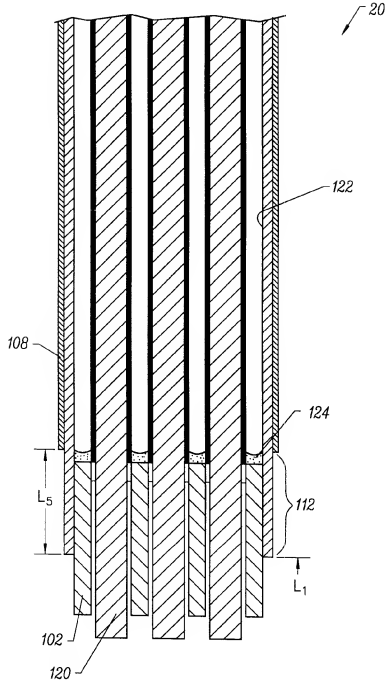

FIG. 5

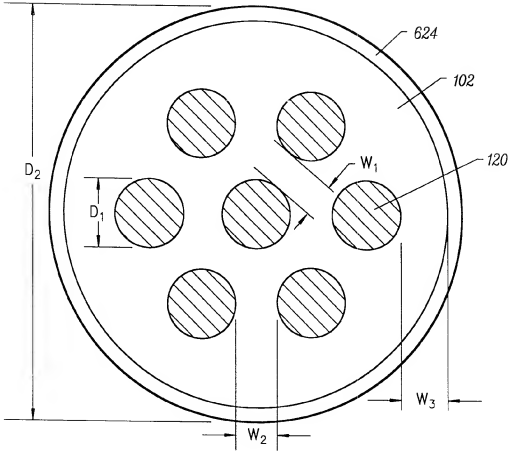

FIG. 6

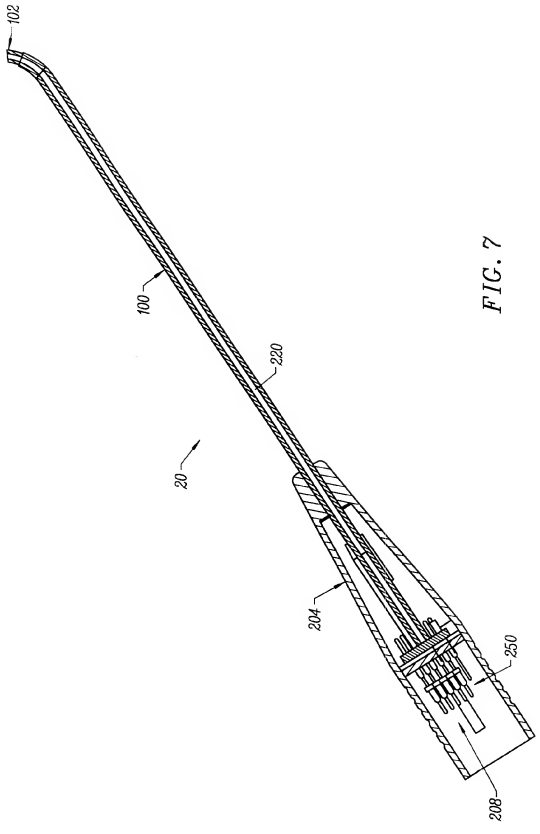

FIG. 7

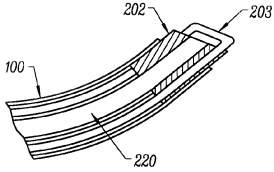

FIG. 8

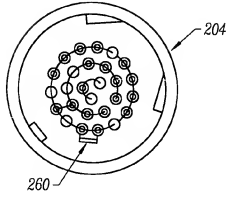

FIG. 9

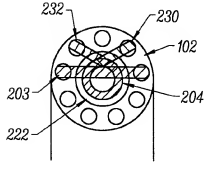

FIG. 10

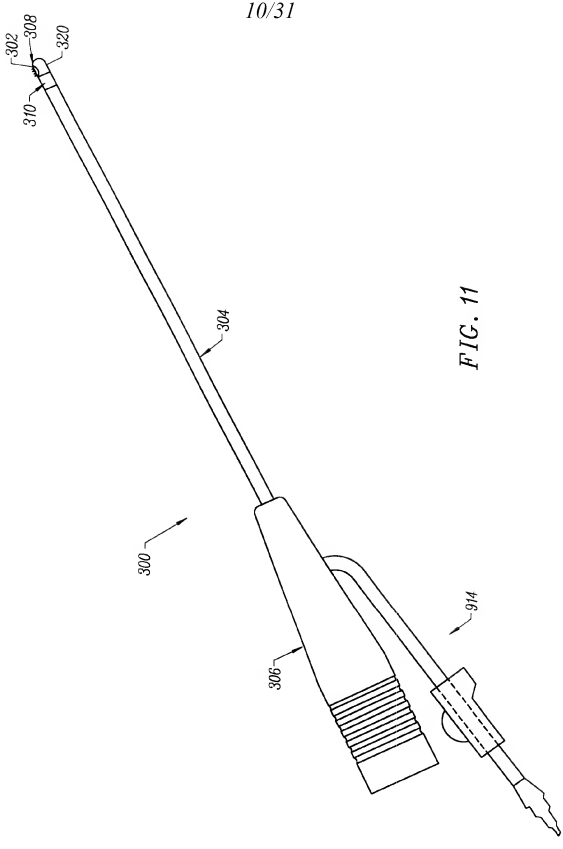

FIG. 11

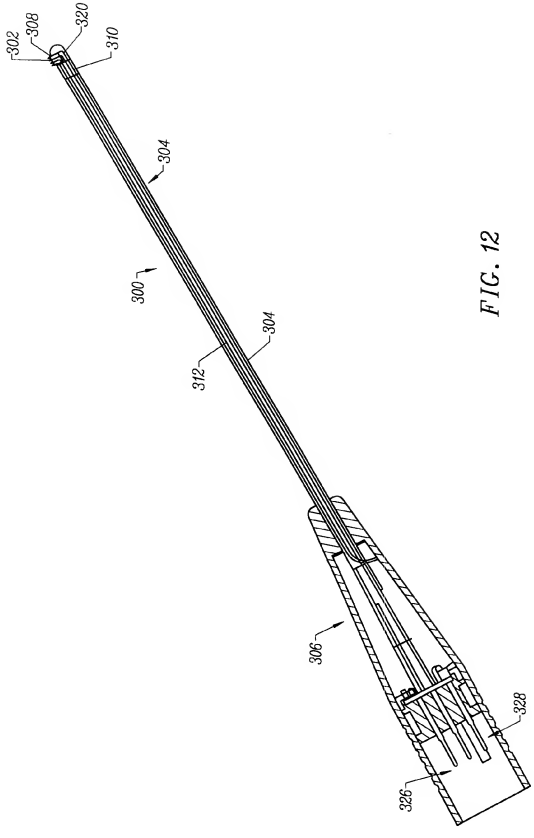

FIG. 12

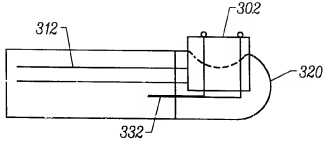

FIG. 13

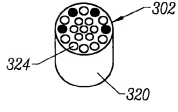

FIG. 14

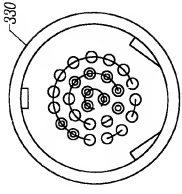

FIG. 16

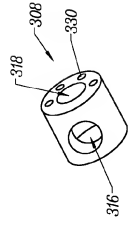

FIG. 15

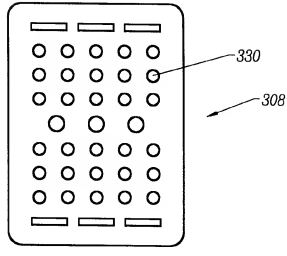

FIG. 17

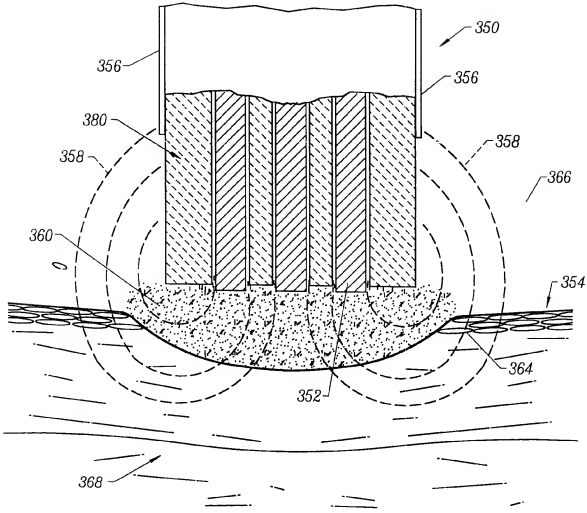

FIG. 18

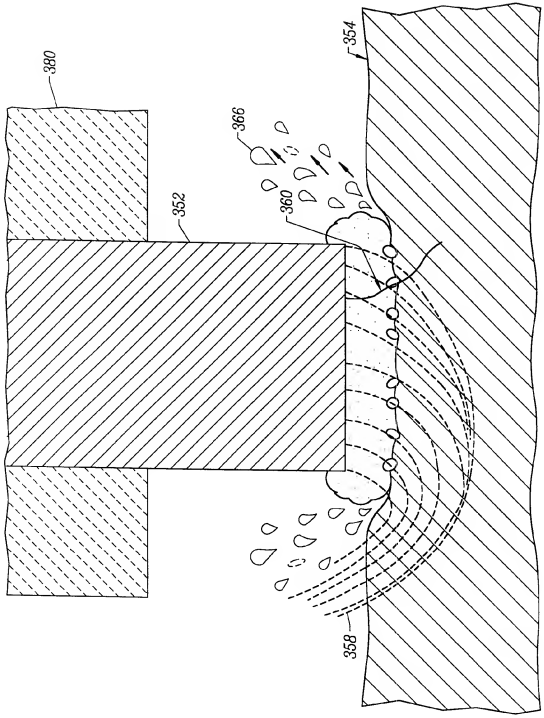

FIG. 19

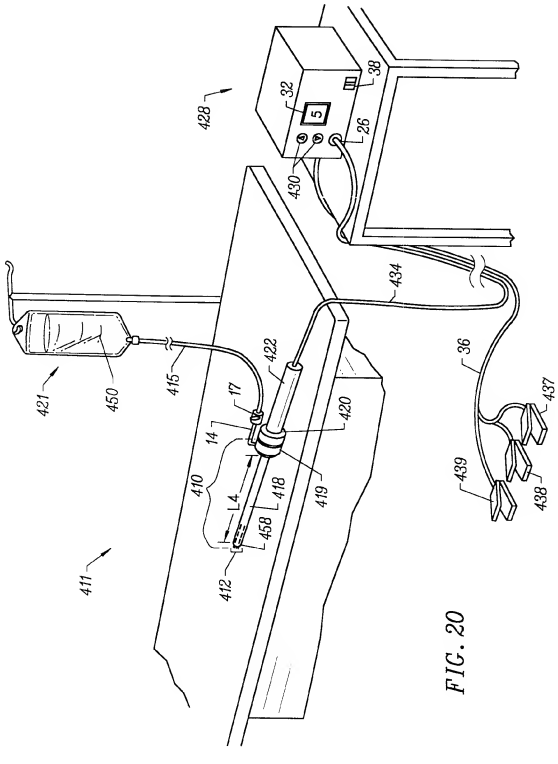
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FIG. 20

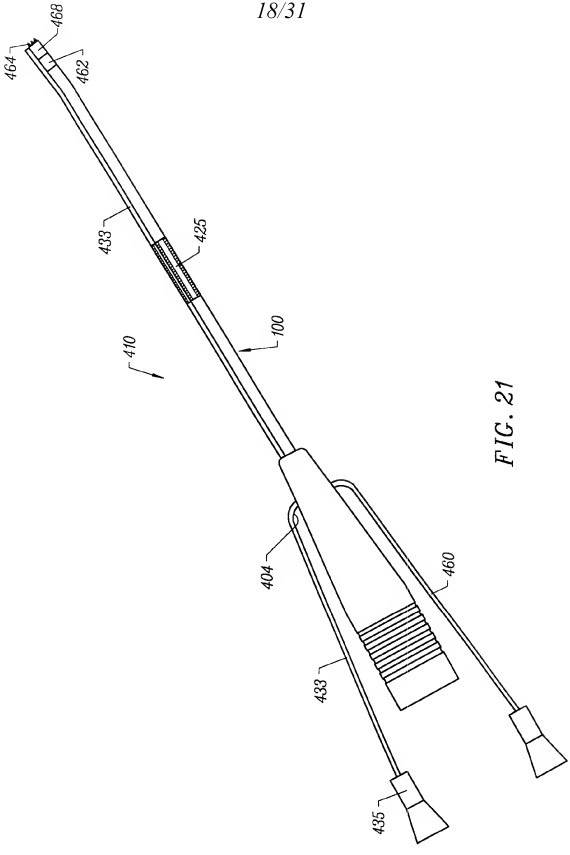


FIG. 21

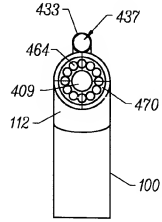


FIG. 22

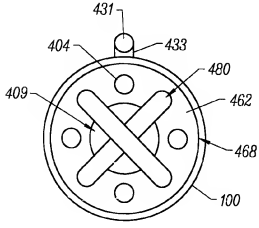


FIG. 23

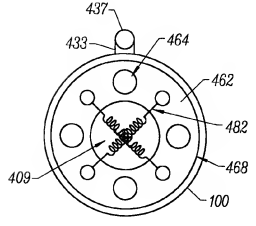


FIG. 24

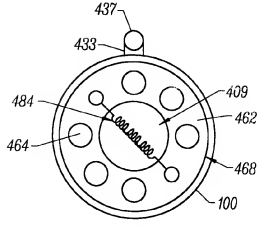


FIG. 25

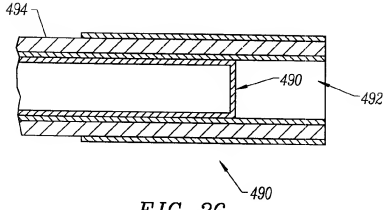
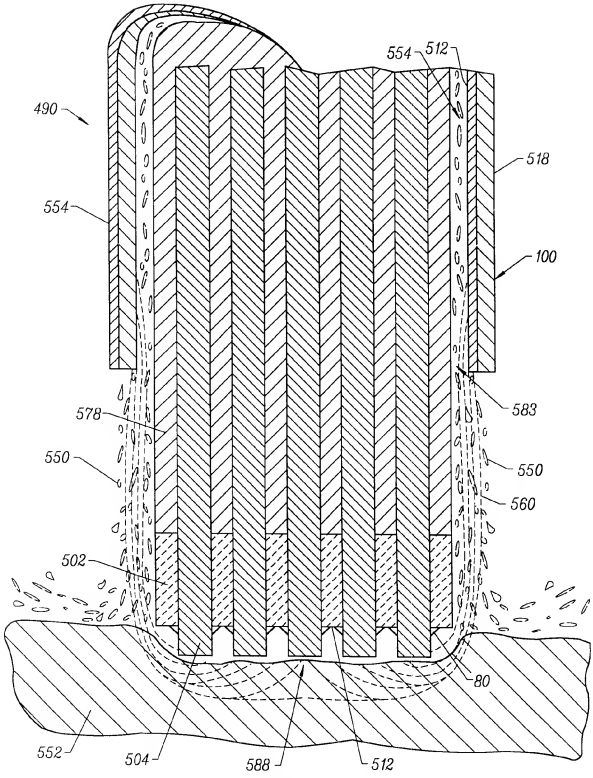


FIG. 26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552
504
588
512

FIG. 27A

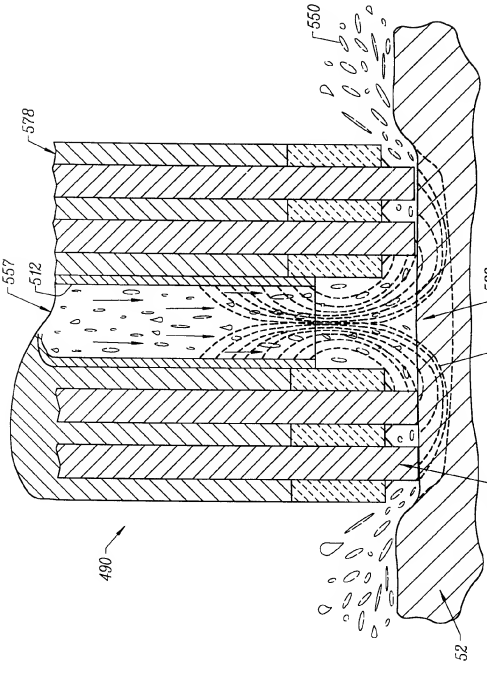


FIG. 27B

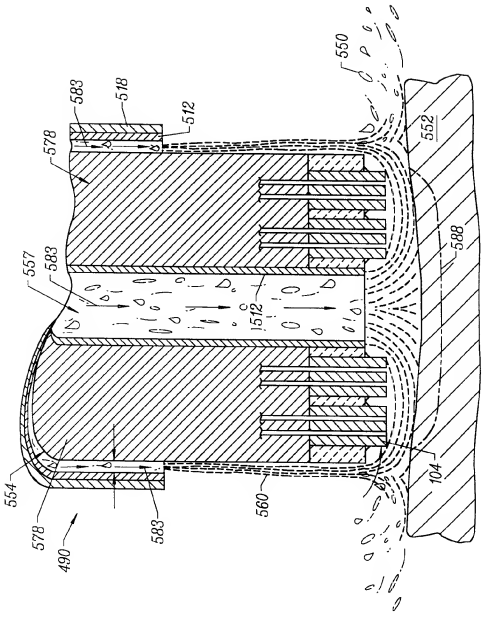


FIG. 27C

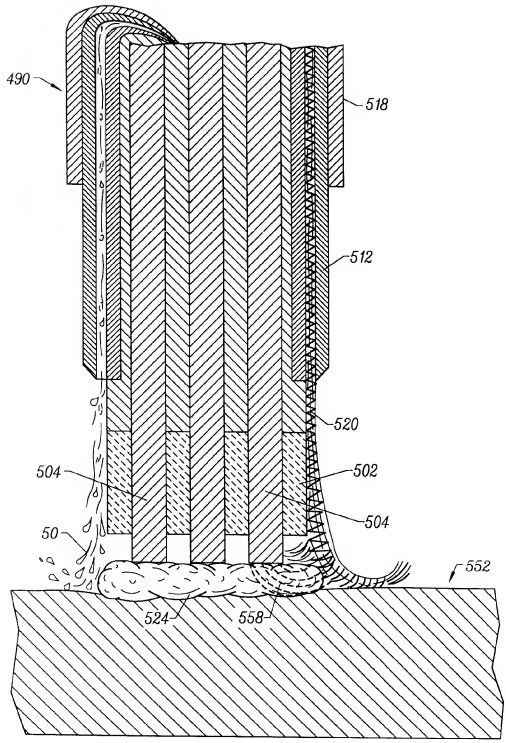
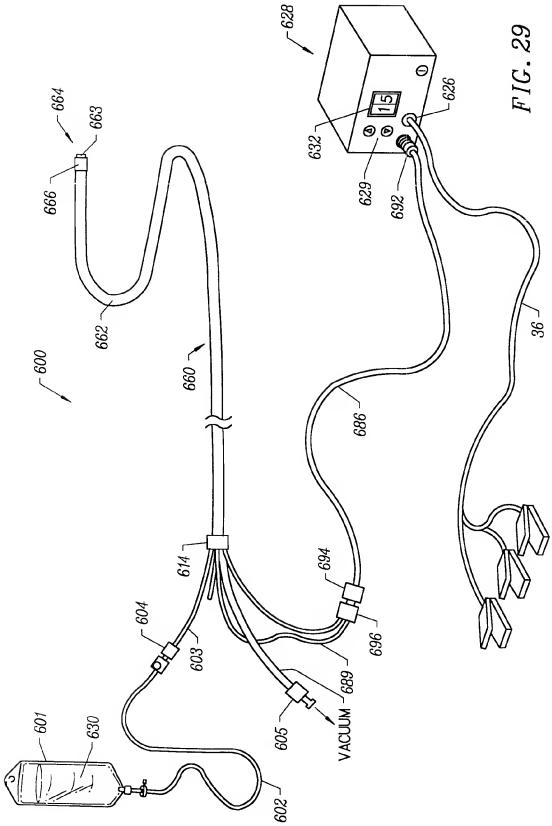


FIG. 28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689
605
VACUUM
601
630
602

FIG. 29

BIOLING POINT OF WATER AT VARIOUS PRESSURES

Data based on the equation of state recommended by the International Association for the Properties of Steam in 1984, as presented in Haar, Gallagher, and Kell. "NBS-NRC Steam Tables" (Hemisphere Publishing Corp., New York, 1984). The temperature scale is IPTS-68.
Note that: 1mbar=100Pa=0.000986923 atoms=0.750062mmHg.

P/mbar	T/°C	P/mbar	T/°C	P/mbar	T/°C	P/mbar	T/°C
50	32.88	915	97.17	1013.25	100.00	1200	104.81
100	45.82	920	97.32	1015	100.05	1250	105.99
150	53.98	925	97.47	1020	100.19	1300	107.14
200	60.07	930	97.62	1025	100.32	1350	108.25
250	64.98	935	97.76	1030	100.46	1400	109.32
300	69.11	940	97.91	1035	100.60	1450	110.36
350	72.70	945	98.06	1040	100.73	1500	111.38
400	75.88	950	98.21	1045	100.87	1550	112.37
450	78.74	955	98.35	1050	101.00	1600	113.33
500	81.34	960	98.50	1055	101.14	1650	114.26
550	83.73	965	98.64	1060	101.27	1700	115.18
600	85.95	970	98.78	1065	101.40	1750	116.07
650	88.02	975	98.93	1070	101.54	1800	116.94
700	89.96	980	99.07	1075	101.67	1850	117.79
750	91.78	985	99.21	1080	101.80	1900	118.63
800	93.51	990	99.35	1085	101.93	1950	119.44
850	95.15	995	99.49	1090	102.06	2000	120.24
900	96.71	1000	99.63	1095	102.19	2050	121.02
905	96.87	1005	99.77	1100	102.32	2100	121.79
910	97.02	1010	99.91	1150	103.59	2150	122.54

FIG. 30

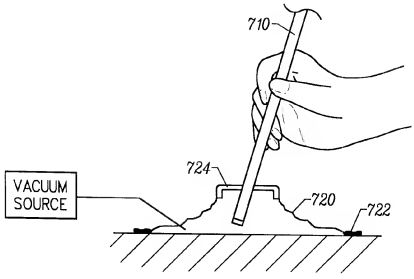

FIG. 31

Elements	Compound	Concentration	Color
Sodium Chloride	NaCl	0.1 mol dm3	Orange-yellow
Barium Chloride	BaCl2	0.2 mol dm3	Pale green
Strontium Chloride	SrCl2	0.2 mol dm3	Bright red
Potassium Chloride	KCl		Blue-purple
Potassium Nitrate	KNO3	0.2 mol dm3	Violet
Copper Chloride	CuCl2	0.2 mol dm3	Bright green-blue
Calcium Chloride	CaCl2	0.2 mol dm3	Dull orange-red
Caesium Chloride	CsCl	0.2 mol dm3	Pale lilac
Lithium Chloride	LiCl	0.2 mol dm3	Bright pink-red

FIG. 32

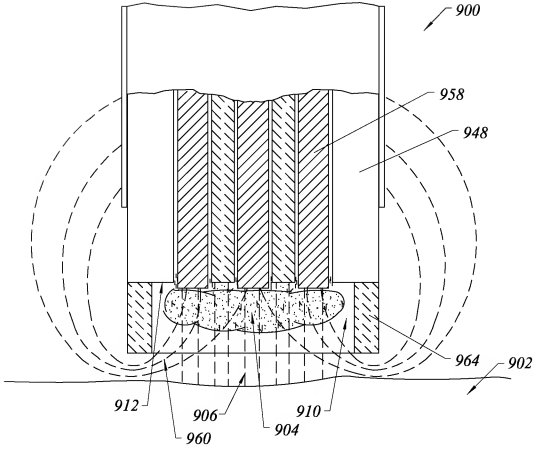

FIG. 33